




# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

April 18, 2006

TO: Internal File

THRU:  D. Wayne Hedberg, Permit Supervisor 

FROM: David W. Darby, Senior Reclamation Specialist 

RE: 2004, 4th Quarter Water Monitoring, Hidden Splendor, Horizon Mine,  
C0070020, WQ04-4, Task ID #2141

## 1. Was data submitted for all of required sites?

The mine is currently active and producing coal. The permit was transferred to Hidden Splendor Resources on 7/1/03. Federal lease boundary revision received on 5/21/04. DOC on 7/09/04. Informal conference on 11/19/04, Inc. Decision Document prepared, state permit issued 7/1/05. The current water monitoring schedule for the Horizon Mine is provided in Table and Table 7-5 for groundwater monitoring in Chapter 7 of the MRP. This report was prepared based on information in File: O:\0070020.HZN\Water Quality\datacheck2004\_2005.xls. UPDES sites are reported to DEQ. The groundwater quality analysis schedule is shown in Table 7-25 and the surface water quality analysis schedule is shown in Table 7-5.

**Springs** SP-1, SP-2, SP-4, SP-9, 2-6-W and GV-70 are to be monitored quarterly. Springs SP-1, SP-2 and SP-4 have been monitored for baseline since 1989. SP-9 (Jewkes Spring) was monitored by the USGS (during 1979 through 1983) and by Beaver Creek Coal Company. For operational and reclamation phases monitoring Springs SP-1, SP-2, SP-4, SP-9, 2-6-W (Homestead Spring) and GV-70 will be monitored for flow and water quality. Water quality parameters are listed in Table 7-2.

YES ☒ NO ☐ All springs were monitored for the quarter and the data submitted.

**Streams** Stations SS-3, SS-5, SS-7, SS-8, SS-10 and SS-11 are to be monitored once each quarter. Stream locations are shown on Plate 7-1. Surface Water sites consist of SS-3 (upstream of confluence between Jewkes Cr and N. Fk. Gordon Cr.), SS-5 (Above the surface facilities on Jewkes Cr.), SS-7 (on Beaver Creek above future expansion), SS-8 (on Beaver Creek below future expansion), SS-10 and SS-11. These surface sites will be monitored for flow and quality, in accordance with

Table 7-5.

YES ☒ NO ☐ All streams were monitored for the quarter and the data submitted.

**Wells** Water level data will be collected during the operational and reclamation phases from the HZ wells once each quarter when accessible.  
Water level data will be collected during the operational and reclamation phases from the HZ wells once each quarter when accessible.

YES ☒ NO ☐

**UPDES**

YES ☒ NO ☐ N/A.

**2. Were all required parameters reported for each site?**

**Springs** YES ☒ NO ☐

**Streams** YES ☒ NO ☐

**Wells** YES ☒ NO ☐

**UPDES** YES ☒ NO ☐

**3. Were irregularities found in the data?**

**Springs** YES ☐ NO ☒

**Streams** YES ☐ NO ☒

**Wells** YES ☐ NO ☒

**UPDES** YES ☐ NO ☒

**4. On what date does the MRP require a five-year resampling of baseline water data.**

Resampling due date

**5. Based on your review, what further actions, if any, do you recommend?**

It is the Permittee responsibility to make sure the monitoring sites are monitored quarterly. If that requires attempts earlier in the quarter then it should be done. The Permittee will be notified that access is not an excuse. A copy of the data file will be e-mailed to the Permittee and DOGM Mine Inspector identifying any missing and irregular data. If the data is available, the Mine Operator should submit it to the DOGM Inspector and Hydrologist, so it can be entered into the Coal Database. If the data is not available the Operator may be in violation of R645-301-731-200. This will be discussed with the inspector.

**Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements? [ ] Yes [X] No**

**6. Follow-up from last quarter, if necessary.**

**Did the Mine Operator submit all the missing and/or irregular data (datum)?**

The Permittee needs to submit Carbonate and T-Mg for Site ST-1 for the 2<sup>nd</sup> and 3<sup>rd</sup> quarters.

The Permittee will be contacted to see if the missing stream data is available.